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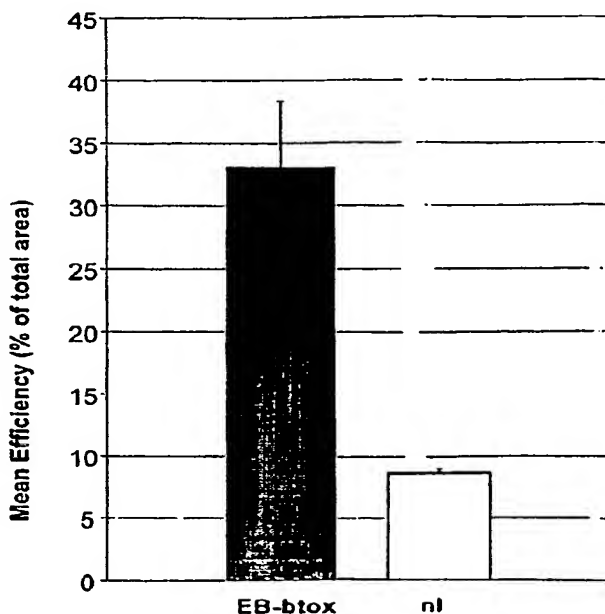
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see PCT Gazette No. 11/2006 of 16 March 2006, Section IIFor two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.(54) Title: COMPOSITIONS AND METHODS FOR TOPICAL APPLICATION AND TRANSDERMAL DELIVERY OF BO-
TULINUM TOXINS(57) Abstract: A composition for topical application of
a botulinum toxin (including botulinum toxin derivatives)
comprises a botulinum toxin and a carrier comprising a
polymeric backbone comprising a long-chain polypeptide
or nonpeptidyl polymer having attached positively charged
branching or "efficiency" groups. The invention also
relates to methods for reducing muscle paralysis and other
conditions that may be treated with a botulinum toxin,
particularly paralysis of subcutaneous, and most particularly,
facial, muscles, by topically applying an effective amount
of the botulinum toxin and carrier, in conjunction, to the
subject's skin or epithelium. Kits for administration are also
described.

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